

# FOLIO

UNIVERSITY OF ALBERTA  
3 SEPTEMBER 1993



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- Joel Harrison and colleagues helping to advance micromachining technology
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## Students' Union to provide safe-walk program for campus community

*SU Vice-President says it's better to prevent incidents than have to respond to them*

Students' Union Vice-President Academic Jo-Anne Bishop doesn't feel comfortable walking behind Rutherford Library late at night. She's not alone. She's had other students tell her they're not at ease walking around campus after hours. But rather than simply accepting the status quo, the Students' Union, with some technical advice from Campus Security Services and the Edmonton Police, has decided to provide a "safe-walk program" for the campus community. Students and staff will be able to phone a number and arrange for escort services.

"We'd rather offer preventive services than have to respond to incidents," says Bishop. And while it may be difficult to get a handle on the actual number of incidences,

since some may go unreported, the fact is students see campus security as a very important issue, she explains.

The campus had a recent example of the need for the service. On 21 August, a female was robbed and sexually assaulted near the Law Centre. The assailant used a knife to force the woman to give him money and go to an automatic teller machine at 509 Street and 82 Avenue for more money. At knife point, he took her to the west side of Gamewell School, 110 Street and 87 Avenue, where he sexually assaulted her.

The University of Alberta isn't alone in offering safe-walk services. In fact, quite a few campuses across the country have some kind of service, says Dennis Dahlstedt (Campus

Security Services). During the last calendar year, Campus Security provided 800 escort services. The SU safe-walk program will take a lot of pressure off of officers and allow them to devote more time to handle other pressing concerns, he explains.

Volunteers for the safe-walk program are now being recruited, and Bishop doesn't expect the SU will have any difficulty attracting them. At the University of Western Ontario, for example, a person is considered a geek if they don't participate, she points out. "This is a way for students to give something back to the campus."

For the first couple of weeks this month, Bishop expects the program to have about 30 volunteers. Once the service is fully estab-

lished, she thinks there'll be between 50 and 70 volunteers involved. Two coordinators have been hired to run the program. The safe-walk office is located on the second floor of the Students' Union Building.

Co-coordinator Joseph Ferrenbok was one of the co-founders of McGill University's safe-walk program, and therefore brings a great deal of experience and expertise to the program, Bishop says.

Bishop says it will not cost a lot of money to operate the pilot project. The SU is approaching companies for possible sponsorship of the program.

"Hopefully, the program will work well and people will use it."

## Library opens The GATE, DOBIS's days dwindling

Photo Services



After flipping a switch to start The GATE, Lois Starikov, Vice-President (Student and Academic Services), tries out the system's searching capabilities.

As the University of Alberta moves into its 35th year, one of the most prominent changes from its 36th year is The GATE, the Library's new online system.

Talk to any of the Library staff (and virtually all of them have contributed in some way to the advent of The GATE), and the adjective

that's used the most is "powerful." Users are just starting to find that out for themselves, as The GATE was officially opened 30 August. It features circulation status of books and massive searching capabilities; it lists all of the Library's holdings, including those titles previously found only in the card catalogue; and it's

network accessible from home through the CWIS (Campus Wide Information System).

Eventually, the catalogues of libraries that belong to the recently formed NEOS (Networking Edmonton's Online Systems) will be added to The GATE. And, a little bit further down the road, lie "gateways" to other university library catalogues worldwide and to specialized databases listing journal literature.

Self-service circulation is another capability of The GATE that the Library plans to activate in the future.

Right now, says Ernie Ingles, Director of Libraries, The GATE is open only a fraction. "It will open the door wider and wider to a universe of information in the next few years."

The GATE, purchased eight months ago from DRA (Data Research Associates) replaces a circulation system that was installed in 1967, and that, according to Ingles, has been held together the last few years by chewing gum and wire. The online catalogue dates from the 1970s. "The GATE is for the 21st century not the 20th," he says.

"The system will look different, the content will be different ... there'll be a visual adjustment," says Grant Kayler, Head of Administrative and Access Services, HT Credit Education Library. The old-fashioned terminals have been replaced by a fleet of PCs and users will encounter a series of new screens.

The GATE has new kinds of capabilities and can do more for users in a faster turnaround time. Users will know the status of various kinds of materials right away, and the Recall and Hold capabilities will be more efficient, Kayler says.

Anyone who's used DOBIS or has some familiarity with a PC shouldn't find The

GATE's public access stations all that different, Ingles says. In any event, two pamphlets on The GATE—one detailed and intended for first-year students, the other a "cheat sheet"—will be available whenever a person sits down to use the system.

During the fall, the Library will run The GATE's circulation system and the old circulation system in tandem because about 50,000 items still have to be barcoded. As they are barcoded, fewer and fewer items will be signed on the old system. During this transition period, the old circulation policies, except for loan periods, will apply to the nonbarcoded material.

GATE users will learn as they go, and the odd glitch will undoubtedly surface. Users' patience and cooperation will be appreciated by Library staff. As Humanities and Social Sciences Librarian Debbie Dancik puts it, "For the fall, we'll need a lot of good humour from our community."

It's expected that the Library will be off the old circulation system by January.

With the new system come new circulation policies (see box, page 2). Says Dancik: "In reviewing and revising our policies, we have attempted to strike a balance among the competing needs of our various client groups and communities, while giving priority to our primary user group, the University community." She explains that the Library's user community has been divided into "primary borrowers" (people directly involved in the teaching, research and administration of the University) and "secondary borrowers" (those individuals and organizations who, although removed from the academic mission, need access to the Library's holdings).

# SSHRC awards \$20,000 to Library's native studies collection

Grant applications also successful for Japanese and Chinese studies collections

The Library's native studies collection will be strengthened over the next few years, thanks, in part, to the Social Sciences and Humanities Research Council's program of support to specialized research collections.

SSHRC has awarded the University \$20,000 over three years to bolster the collection, a collection officials at SSHRC say is a good interdisciplinary one, well supported by the institution.

In 1993-94, the native studies collection will receive \$10,000 from the granting council; in 1994-95 it will receive \$5,000; and in 1995-96 it will receive \$5,000.

Collections Librarian Ku Wilson says the money will be used to enhance the already strong collection of native studies materials on campus. Materials will be purchased for four libraries: the Canadian Circumpolar Library, Social Sciences and Humanities Library, Law Library and Education Library.

"These awards are only awarded to collections of strength," says Wilson, adding that

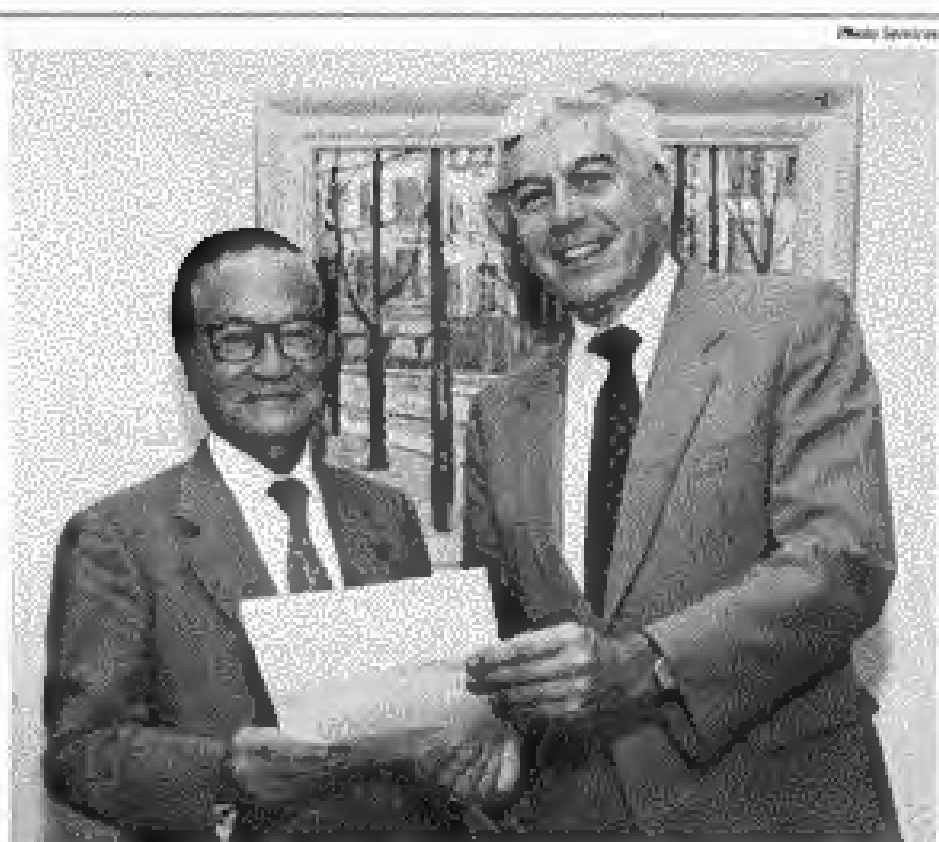
the proposal was very much a joint proposal from the four libraries.

"Obviously, this is good news," says School of Native Studies Director James Dempsey. "The Library has a long history of collecting these kinds of materials and has made sure that doing so was an ongoing activity."

"This is also good timing, because native issues are in the forefront [of Canadian public life] and more and more materials are coming out all the time," he notes.

SSHRC also decided to award the East Asian Studies (Chinese Studies) collection \$8,000 for the 1993-94 year. About two-thirds of that money will be used to buy books on Chinese literature and the remainder will be used to buy books on Chinese history, explains East Asian Studies Librarian Louis Chor.

SSHRC awarded the East Asian Studies (Japanese Studies) collection \$6,000 for the 1993-94 year. No firm decisions have been made but the books to be purchased will likely be on Japanese history and literature.



Tetsuo Ozawa, Member of the House of Representatives (Japan) and Co-Chairman of the Canada-Japan Inter-Parliamentary League, met on 27 August with President Paul Davenport about his plans to secure funds in Japan for the construction of a Japanese-style pavilion at the Kurimoto Japanese Garden. Mr. Ozawa had discussed this proposed project during President Davenport's April 1990 mission to Japan. Mr. Ozawa, who is the Honorary Patron of the Garden, also attended the University's Insewell dinner for students from Niigata, Shizuoka, and Toho Universities who have been studying English language, Canadian culture, and Canadian legal/political systems and met with representatives of the Canada-Japan Inter-Parliamentary League.

## ORIENTATION FOR GRADUATE TEACHING ASSISTANTS

The 13th annual Orientation for Graduate Teaching Assistants consists of a symposium 7 and 8 September and follow-up sessions 13 and 14 October.

The orientation is free and is sponsored by University Teaching Services.

The two-day symposium will have concurrent sessions addressing generic teaching issues for instructors and students. Presenters include Anne North ("Leading Discussions"), David Cook ("Successful Lectures"), Lois Browne and Norman Gee ("An Introduction to Laboratory Teaching"), Susan Shaw

("The Classroom Climate - A Chilly One for Some Students?"), and Heather Prince ("Making Your Entrance").

The purpose of the follow-up sessions is to have GTAs share what has worked and why, and to get input on issues and techniques that they are unsure about.

GTAs are asked to register as soon as possible (some sessions have limited enrollment). Registration forms are available from University Teaching Services, 215 Central Academic Building, 492-2826.

## Injured cyclist's words of advice are 'Call Campus Security'

Accidents, unfortunately, will happen, making it wise to keep Campus Security Services in mind.

Catherine Dechaune didn't at the time of her biking mishap but says she will from now on.

Dechaune, Department Secretary in Arts' Language Resource Centre, was leaving campus on a recent Friday afternoon when a dangling strap from a knapsack that she thought she'd secured on her bike rack got caught in the spokes, causing her to go "flying." She suffered a gash to the abdomen and assorted bumps and bruises.

"I needed assistance ... I didn't think," she said as she related to Folin that she called her husband rather than Campus Security Services. The Dechaunes live on the south side but some time elapsed before he could reach her side. Had she called Campus Security, Dechaune believes she would have received treatment much sooner.

Happily, her injuries weren't too severe and she was able to return to work after a week's absence.

Dechaune's advice to anyone on campus who may be involved in an accident is "not to feel that you have to manage alone. Campus Security Services is there to help you initially. You can count on them."

## FOLIO

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Public Affairs produces Folia on a regular basis for the staff and other interested persons.

### DEADLINES:

Notice of coming events: 9 am, three weeks in advance of event. Classified advertisements: 3 pm one week before desired publication date. This date also serves as the deadline for cancellation of advertisements.

Advertisements cost 40 cents per word, with no discount for subsequent insertions. There is a limit of 30 words and a minimum charge of \$2.00. Advertisements cannot be accepted over the telephone. All advertisements must be paid for in full at the time of their submission.

Display advertisements: 3 pm Friday, seven days before desired publication date. Camera-ready artwork is required to size, complete with halftones if necessary. Contact Public Affairs for sizes, rates and other particulars.

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## GATE policies

### Loan periods

The loan period for undergraduate students remains at two weeks. Graduate students will now receive a term loan (September-December, January-April, and May-August), as will faculty and other academic staff. The Library will send notices to each faculty member in December and August, reviewing what they have out on loan, inviting them to return what they no longer need, and indicating that the Library will renew the rest. In keeping with the Library's long-standing practice, in-person renewals must be made in April. However, because of the change of systems, this December the Library will require that faculty return all their materials and renew in-person those items they wish to keep.

### Periodicals

Periodicals are limited to use in the libraries during the week and circulate Friday through Sunday, due Monday.

### Transactions

All U of A Library card holders are responsible for all transactions occurring on their cards and are thus subject to all policies, restrictions, and financial obligations resulting from the use of their card. This includes the loss of a card or the loan of a card to anyone.

### Grace period dropped

The general practice of a two-day grace period for overdue materials has been discontinued. Items are due on the date noted on the date due slips; fines (\$1 per day, unchanged since 1990) will be levied beginning the first day (or in the first hour in the case of Reserve) the item is late.

### Lost materials

Fines and charges for replacement of lost materials along with associated processing fees will be levied on both categories of borrowers. Fines for faculty will be limited to late return of 'Urgent Recalls', abuse of Reserve Room borrowing, overdue periodicals and abuse of loans of a special nature. All users will charged replacement costs after an item is 31 days overdue.

### Renewals

Renewals, searches, reserves and recalls will be available to both categories of users. No limit will be placed on the number of renewals a borrower may have on any one item as long as no reserves have been placed on the title.

### Limitations on items borrowed

Primary borrowers have no limit on the number of items they may take out; secondary borrowers may be limited to having 10 items on loan at any one time.

## UNIVERSITY PROFESSORSHIPS

The Selection Committee for University Professorships will be considering nominations later in the year. This title is the highest honour this University can bestow on a member of its academic staff and is granted only to professors whose academic, professional and community contributions have been exceptionally meritorious.

Nominations should be submitted to the Vice-President (Academic) by 30 November 1993. Copies of the criteria for University Professor nominations may be obtained from Ms Dorothy Gamble, Office of the Vice-President (Academic), 3-4 University Hall, telephone 492-3463.



University  
of  
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# 'Labs on chips' may be just around the corner thanks to the work of U of A chemist

*Process developed by Jed Harrison and his colleagues is garnering attention worldwide*

**A** laboratory for doing chemical analysis on a chip? Sounds fantastic. But is it really that far-fetched?

According to a University of Alberta chemist and his co-researchers, that day may not be too far away. And in a recent issue of *Science*, published by the American Association for the Advancement of Science, Jed Harrison and his colleagues explain just what kind of progress they've made.

Photolithography and chemical etching techniques have been combined to create the field of micromachining. In fact, three-dimensional microstructures such as motors, tweezers, beams, pumps and valves have already been made on a micrometer scale.

The technology has attracted considerable interest in the development of both sensors and actuators, and sensors for physical forces are becoming well developed, Dr Harrison explains in the 13 August edition of *Science*.

"However, the use of micromachining to fabricate chemical sensors, chemical analysis systems, or even laboratories on the scale of a silicon chip remains in its infancy, despite the considerable progress this approach appears to offer," he says.

There are potential benefits. "Compared to conventional systems, such devices could reduce solvent and sample consumption or decrease analysis times because of their decreased dimensions," he explains.

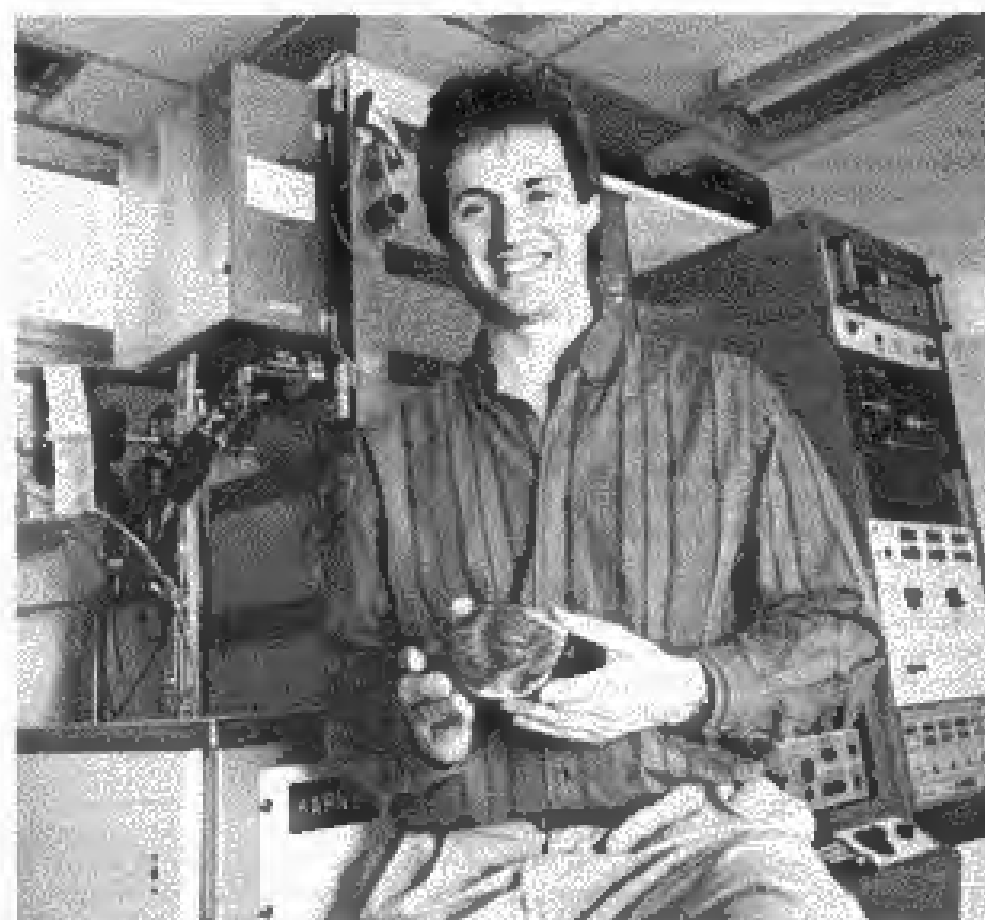
"Integration of several different processes on a single chip to form a system for sample pre-treatment, separation and detection may allow for new overall processes, improve efficiency, make automation possible and reduce manufacturing costs."

Dr Harrison began working on the micromachining technology in the late '80s, and in 1990-91, while on study leave at the Ciba-Geigy research labs in Switzerland, he conducted experiments. His research team has now developed a simple system that combines sample treatment, separation and analysis—all on glass and silicon chips. The liquid is moved around using voltages applied to capillaries etched onto the chip.

In the *Science* article, co-authored by Karl Fluri, Kurt Seiler, Zhonghui Fan, Carlo Effenhauser and Andreas Manz, Dr Harrison explains how the team has been able to perform capillary electrophoresis—the migration of charged particles through a solution under an electric field—in these tiny capillary channels etched in a glass substrate.

In their report, the team is able to show that very rapid separations of fluorescently labelled amino acid mixtures can be effected on these chips. "Furthermore, we were able to control the flow rate and flow direction of the solvent within a manifold of intersecting channels by applying voltages to each of the capillary channels simultaneously," he explains.

The team members are optimistic. The results demonstrate that it will be possible to develop a complete, miniaturized, integrated system with sample pre-treatment, separation and detection on a chip. "The use of electroosmotic pumping offers an additional advantage compared to micromachined



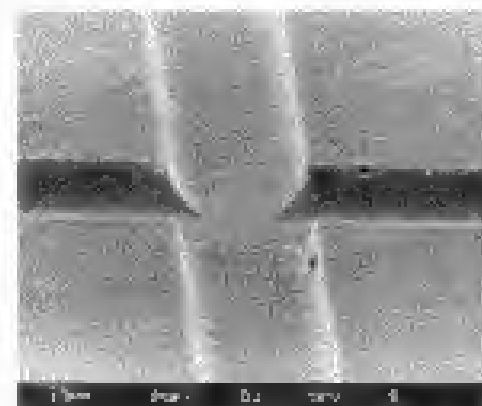
Jed Harrison and his team of researchers are in the forefront of micromachining for chemical analysis.

pumps and valves in that there need be no moving parts, and reliable performance can be achieved with present technology," Dr Harrison states.

The chips were manufactured using standard microphotolithographic techniques at either a commercial facility in Switzerland or at the Alberta Microelectronic Centre.

Dr Harrison says the fact that such a prestigious and widely circulated journal would agree to publish their article indicates other researchers view the developments as important. "We believe that we're defining a new area and it suggests others believe that as well."

He's not ruling out the eventual commercialization of the process. In fact, various companies have been in contact with him since the article was published.



Two intersecting channels, 10 micrometers deep and 30 micrometers wide, etched into glass.

## CURRENTS



### U of A Squash Club

Membership in the Squash Club includes opportunities for: ladder play, recreational play, Edmonton Interclub League play, mini-tournaments, rules and skills clinics, two tournaments and discounts on re-stringing and racquets. Membership fee: \$15 for nonstudents, \$10 for students. Register at the Butternut 7 and 8 September or in the Quad 7 to 10 September. The club's first general meeting will be held 16 September at 4 pm in B-120 Van Vleet Centre. For more information, call Grant Barwell, 439-6146, or Manesh Kalra, 435-7925.

### Retirement BBQ for Alan Bryan

The Department of Anthropology will host a retirement BBQ for Alan Bryan at Alumni House, 11 September at 4 pm. Tickets are available at the department or by calling 492-3879. Those wishing additional information should call David Lubell at 492-2368.

## Book reveals much that is particular about women's experiences in the province

*Women in Alberta, edited by Cathy Cavanaugh and Randi Warne, will be released this fall*

**W**omen in Alberta, published by The University of Alberta Press and due out this fall, will serve as a catalyst for an ongoing conversation about some of the issues facing women, says co-editor Randi Warne.

"This is not meant to be all things to all people. We're not saying that this is the single, definitive volume about women in Alberta," says Dr Warne, but it is an invitation to explore some of the most poignant questions arising from women's experiences in the province.

"It certainly seemed overdue in this province," adds co-editor Cathy Cavanaugh, noting that similar volumes have been published in other provinces such as Manitoba and British Columbia. "Although, in those other volumes, the emphasis has been on women's history. This one is much broader in its scope."

A few years ago, Cavanaugh and Warne were asked to do a special edition of the journal *Alberta*. "They [the senior editors of the Alberta Nature and Culture Series, John Foster (History) and Dick Harrison (English)] thought

a volume on women in Alberta would make sense," says Dr Warne. "We thought it would be wonderful."

The objective was to provide articles of interest to a general, informed readership, and to provide a place where these readers could sample scholarship presented in an accessible form. "It's not intended to be a narrowly drawn, technical book for scholars in one field. It's intended to be accessible and stimulating. At the same time, it's academically credible. These are solid pieces that have been refereed," explains Dr Warne.

So the editors put out a broad call for papers. In the interim, *Alberta* as a journal ended (it will be replaced by an annual book in the Alberta Nature and Culture Series.) "We had to reshape our own thinking on what it was about," Dr Warne says. "As it turned out, it wasn't such a dramatic shift," says Cavanaugh. "We thought about common, unifying themes."

The book includes an introduction by Cavanaugh and Dr Warne and a diverse group of articles: "Lighting the Pathways for New Canadians: Methodist and United Church W.M.S. Missions in Eastern Alberta, 1904-1940," Michael Owen; "Education, Community Service, and Social Life: The Alberta Women's Institutes and Rural Families, 1909-1945," Catherine Cole and Ann Milovic; "We Just Lived It As It Came Along: Stories from Jessie's Albums," Barbara Evans; "Ranchwomen, Rodeo Queens and Nightclub Cowgirls: The Evolution of a Cowgirl Dress," Collette Angela Lawler and Jill Oakes; and, "All that Glimers: The Political Apprenticeship of Alberta Women, 1916-1930," Nanci Langford.

U of A political scientist Linda Trimble tackles women's place in the legislature with "Making a Difference: Women in the Alberta Legislature." These articles deal specifically with women's experiences at the University

of Alberta: "From Friedan to Feminism: Gender and Change at the University of Alberta, 1940-1970," Elaine Chalus; "WISEST—An Initiative at the University of Alberta to Encourage Women into the Sciences and Engineering," Margaret-Ann Armour; and, "Telling Our Story: Women's Program and Resource Centre, 1981-1991," Pat Rasmussen. "Remembering Alberta Women: A Bibliography," by Patricia Roome, wraps up the book.

The editors are hopeful the book, which will sell for \$16.95, will have a diversity of readers. "I think women's studies and Canadian studies students will read it," says Dr Warne. "Anyone who grew up in the province will be particularly interested in the book. Their parents' and grandparents' experiences are reflected in a number of these articles." Adds Cavanaugh, "Anyone who is interested in the history of Alberta or women's place in the province will read the book."

## Film Studies given \$6,000 to buy monographs

*Faculty Women's Club's gift matched by University*

**C**ut to the chase ...

In honour of its 60th anniversary, the Faculty Women's Club recently gave the Library \$3,000. The University then matched that sum via the General Endowment Fund, and Director of Libraries Ernie Ingles determined that the \$6,000 would be used to purchase monographs for the Film Studies component of the Department of Comparative Literature and Film Studies.

Special Collections Librarian John Charles, whose duties include monitoring the Film Studies collection in Rutherford South, will buy the monographs at the best possible price. He will work from a list compiled by Martin Lefebvre (Comparative Literature and Film Studies), who credits Charles with acquiring the appropriate books and publications in the program's early stages.

"The bulk of the list is all over the map [of film studies]," Lefebvre says, monitoring film history, film theory and analysis of certain films. He also said there are some gaps in the collection's literature pertaining to various national cinemas.

The Film Studies collection originally catered to the movie fan more than to the film scholar but that's changed markedly since Film Studies moved from being a series of courses to a degree program in 1990. About 500 students enroll in Film Studies annually, with



In a silver screen frame of mind are Phyllis Ahern, left, and Sarah Nyland, past president and president, respectively, of the Faculty Women's Club, Martin Lefebvre (Comparative Literature and Film Studies), second from right, and Director of Libraries Ernie Ingles.

about 20 of them majoring in the subject. Courses are taught by Lefebvre and Bill Beaul, with the help of two seasonal lecturers.

The Department of English, Women's Studies, and the Departments of Art and De-

sign and Romance Languages will also benefit from the donation, Lefebvre says.

The Faculty Women's Club, which has about 200 members, was able to make the gift from dues collected in recent years.

## Faculty Women's Club enters its 60th year

**T**he 60th anniversary year for the Faculty Women's Club begins with the fall membership tea 18 September, 2 to 4 pm in the Lister Hall Banquet Room.

The club is a social club for women, both active and retired, who are associated academically with the University of Alberta. "At our fall tea you will have the opportunity to meet new people and renew acquaintances and friendships," says Club President Sarah Nyland.

Members of the executive and the convener of interest groups will be on hand to

provide information about the interest groups and special events planned for 1993-94.

Fees for first-time members have been waived.

Given that this is a milestone year in its history, members and prospective members may well read the Faculty Women's Club's story and muse about passages such as this one taken from "The Years Before World War II": "Many staff members lived in Garneau and most professors walked to the University, crossing through vacant lots. Windsor Park

was bush with the exception of two streets and those of us who were children then hoed potatoes in the garden plots with our reward being a few of Dr Shaver's [Ralph Shaver, Department of Anatomy] prize peanuts to take home and roast. The circle of old homes, numbering ten, was where the Windsor Carpark now stands. Those who were fortunate enough to rent these had hot water heating from the University and either sweltered in the heat or froze in the cold, but the friendships made were lifelong."

## United Way campaign on campus starts soon

*Employee recognition program planned*

**T**his year's United Way campaign on campus promises to be an employee campaign in every sense of the term.

The goal is to make the campaign visible, starting with the kickoff festivities in the Quad 28 September, says Sharon Wastle, a member of the campaign's coordinating committee. Details are still being worked out, but elements such as sky diving, balloon rides and music point to the kickoff being a fun-filled event. Rob Christie, CHED, and Leslie McDonald, ITV, will be the emcees.

Also planned for the campaign are a recognition program where some of the University's "unsung heroes" will have their names and photos on posters that will appear around campus. United Way banners will be displayed at the parkades and other locations and the electronic message board outside the Butternut will be used extensively.

Graphic Design and Illustration Services, Photo Services and Quality Color Press are contributing to the recognition program, while the Library, the Bookstore, the Campus Outdoor Centre and many units are donating prizes, draws for which will be held in SUB at 12:30 daily.

"Ninety percent of the campaign is planning and 10 percent is giving," says Wastle. "The campaign runs itself once the giving starts, we just have to keep the momentum going."

The goal for the 1993 United Way campaign on campus is \$250,000.

Doug Wilson, Dean of the Faculty of Medicine, returns as campaign chairman.

## History students off to Cambridge to do PhDs

*Robin Close, Michael Francis awarded Peterhouse Research Studentships*

**T**he History Department's undergraduate and master's programs are known across the country as outstanding. Apparently, they also know that at Cambridge University.

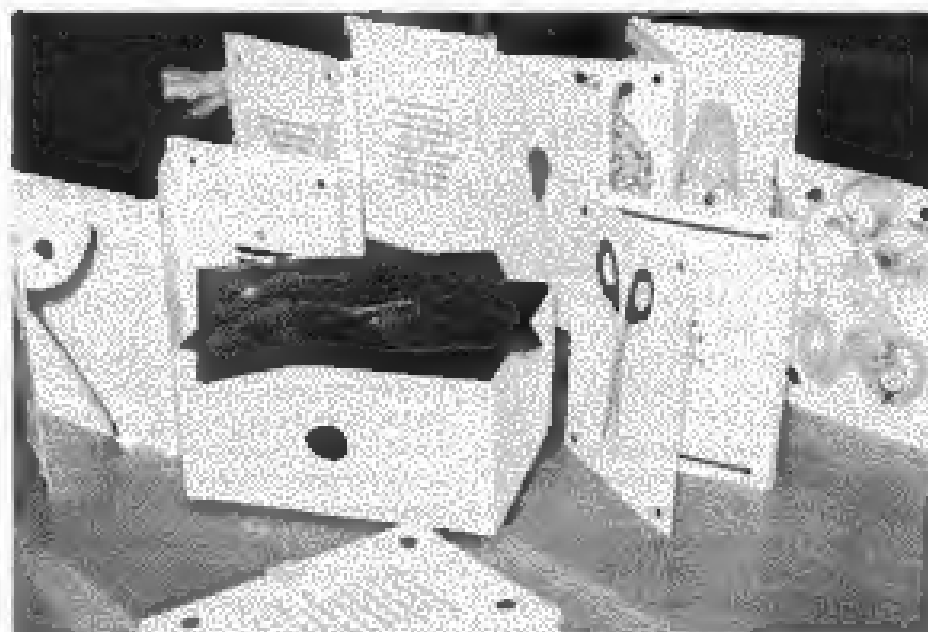
This year, the department is sending two students to the prestigious British institution where they'll pursue doctoral studies. Moreover, Robin Close and Michael Francis have both been awarded Peterhouse Research Studentships—an extremely rare occurrence.

Very seldom does Cambridge offer more than one of these awards to students in the same country. This year, two students at the same university—from the same department—have been awarded the Studentships from among a multitude of worthy appli-

cants. The award is for one year, renewable for an additional two years.

Burton Smith, Acting Chair of the History Department, says Close, who has completed her MA, and Francis, who defends this month, are outstanding students who deserve the awards. "This is an indication of the type of students we're turning out here—the best and the brightest."

Close completed her BA with distinction in the Faculté Saint-Jean and went on to do her MA with the History Department, supervised by Philip Lawson. She is fluently bilingual. Francis completed an honours BA in History and then earned an MA in the department, supervised by David Johnson. Francis is also bilingual. His second language is Spanish.



Pandora's Box reinforces the "Special" in the title Bruce Peel Special Collections Library.

The five illustrated folding panels and a poem illustrated on cotton cloth are dressed up with snaps, pins, thread, buttons and other materials found in a woman's workbox. The "slipcase" is a wicker sewing basket. The artist, Angela Lorenz, has created a celebration of the so-called "minor arts" which were executed alone or with groups of women in seminars and community gatherings. Pandora's Box commemorates Edith Zawaduk's retirement from Alberta Agriculture after a 35-year career. Zawaduk, who resides in Two Hills, is a former member of the University of Alberta Senate. Special Collections Librarian John Charles purchased the book on behalf of Zawaduk's colleagues and friends.



1993 University of Alberta Annual Fund staff solicitation team (from the left: Lorne Tyrell (Medical Microbiology and Infectious Diseases), Helen Macdill (Occupational Therapy), Tami Heister (Public Affairs) and Dan Pretzall (Physical Plant). Missing from photo: Larry Wang (Zoology). Within the next two weeks, this group will approach all University staff to make a gift to the Annual Fund.

## Friends of the Slavic Collection holding second annual benefit concert

Friends of the Slavic Collection have once again organized a benefit concert.

The concert, which will feature two prominent local musicians, "is a unique example of cooperation between the artistic and scholarly communities of Edmonton," says organizer Alan Rutkowski.

Pianist Joseph Fridman and cellist Tanya Prochazka will play at the 16 September concert, which will be held at Convocation Hall at 8 pm.

A number of people on campus organized the Friends of the Slavic Collection in response to what they say is a deterioration of the Library's Slavic Collection. "Unfortunately, severe cutbacks are hampering the Library's ability to continue acquiring Slavic books and journals precisely at a time when the monumental changes taking place in the former Soviet Union and Eastern Europe have caused an explosion of publishing in this field," says Rutkowski.

"Our primary purpose is to raise funds for the acquisition of research materials to support

teaching and research in Slavic studies at the University of Alberta."

Prochazka is a soloist and sessional cellist with the Edmonton Symphony Orchestra. She is a former principal cellist with the Scottish Baroque Ensemble and the London Mozart Players, and a former instructor at the Royal Academy of Music and Goldhall School of Music.

Fridman, who immigrated to Canada in 1991, is on the faculty of the Alberta College Conservatory of Music. He is a former accompanist at the Leningrad Conservatory and Gorky Academic Drama Theatre and a former instructor at the special children's music schools in Kiev and Leningrad.

The concert will include works by Bach, Beethoven, Rachmaninoff and Alfred Fisher. General admission is \$17, \$12 for students and seniors and \$7 for children under 12. Cheques or money orders should be made payable to the U of A Library Kiefer Fund.

## Chaucer specialist will deliver this year's Tory Lecture

*Derek Brewer well known as scholar of medieval English literature*

A well-known specialist in medieval English literature will deliver this year's Henry Marshall Tory Lecture (22 September, 8 pm, L-1 Humanities Centre).

Derek Brewer, Professor Emeritus at Emmanuel College, Cambridge, will speak on "In Search of Chaucer." Dr Brewer has published or edited more than a dozen books, the majority of which pertain to either medieval English or Geoffrey Chaucer.

Dr Brewer will explore how we can learn more about the English poet and where we can turn for more information. There are many official records about Chaucer as a courtier, a soldier (for a brief time), a customs officer and a minor ambassador. There are no personal letters, but a great deal of his poetry is very personal, entertaining and enigmatic.

A great deal of Dr Brewer's career has been devoted to the study of Chaucer's

works. He studied at Magdalen College, Oxford, where he read English with C.S. Lewis. He was an infantry officer in the early '40s, serving in the Italian campaign. In 1965, he was appointed lecturer in English at the University of Cambridge and elected to a fellowship in Emmanuel College. Dr Brewer served there as Master from 1977 to 1990. He was appointed Professor of English in 1993 and is now Professor Emeritus.

Dr Brewer founded an academic press, Boydell and Brewer, in 1972. It publishes about 100 books a year. He has seven honorary degrees from universities in France, the United States, Britain and Japan, and has been awarded the Seatonian Prize for a poem on a sacred subject eight times.

The Tory Lecture is sponsored annually by The Friends of the University of Alberta to commemorate the University's first President. It is free and open to the public.

## A matter of record

*New organization wants to increase women's representation in archival collections*

In basements, attics, garages and assorted boxes and trunks are personal and organizational records that have been documented by Alberta women. Trouble is, such records are being neglected or lost, and at least two archival collections—the Provincial Archives of Alberta and the City of Edmonton Archives—contain limited women's manuscript collections.

Considering the current state of archival holdings, it is very difficult to conduct comprehensive research on the history of women in Alberta in many major subject areas.

Recognizing that necessity is the mother of invention, a number of researchers, academics, writers, librarians, archivists, students and women interested in history have formed the Northern Alberta Women's Archives Association (NAWAA).

NAWAA is a nonprofit, volunteer organization dedicated to the preservation of archival material documenting the lives and accomplishments of Alberta women. Inaugurated in late May as a registered society, NAWAA is working in cooperation with existing archives in encouraging and assisting women to preserve and donate their personal and organizational records.

Coincidental with its inauguration (at the University Extension Centre), NAWAA launched *What's Cooking in Women's History. An Introductory Guide to the Preservation of*

*Archival Records About Women.* The 32-page manual offers practical advice on how to save personal and organization records, research family history and genealogy, and donate material to public archives. It also details important sources of women's material and suggests ways in which archives might better serve women's history.

## CASE silver medal for SPECTRUM

**S**PECTRUM, a quarterly report on research and research at the University of Alberta, won a silver medal in the 1993 CASE (Council for the Advancement and Support of Education) Recognition Program.

The silver medal was the only award given in the Internal Audience Newsletters category. In notifying the Office of Public Affairs of the award, Joanne Carlett, director of Recognition Programs, said, "To put your award in perspective, there were over 4,100 individual entries this year representing 754 institutions. Overall, 217 colleges, universities, and independent schools received 445 awards."

SPECTRUM is sponsored by the Office of the Vice-President (Research) and produced by the Office of Public Affairs.



Bob Buck, right, who retired recently from the Department of Classics, is presented with an album containing the names of those who donated to the Robert J. Buck Travel Grant for Students. To date, 66 donors have contributed \$10,700, putting the goal of \$20,000 well within range. Donors come not only from Edmonton and Alberta but from British Columbia, Ontario, Quebec, New Brunswick, the United States and the United Kingdom. Pictured with Dr. Buck are Alastair Small (Classics) and Caroline Fallner, who represented the department's graduate students at the reception.

## Manitoba joins TRLabs' research network

Telecommunications Research Laboratories (TRLabs) continues to expand, this time to Winnipeg.

The Edmonton-based collaborative research consortium, which is closely affiliated with the University of Alberta, has formed a \$7.7 million partnership involving Manitoba high technology companies, the University of Manitoba and the governments of Canada and Manitoba.

Established in Edmonton in 1986, TRLabs subsequently opened labs in Calgary and Saskatoon.

"Our goal is to enhance Canada's competitive strength through the development of a strong telecommunications research infrastructure in western Canada," says Glenn Rainbird, president and CEO of TRLabs.

Data networking and related software will be the focus of research at the Winnipeg laboratory. Examples of the research to be undertaken are network links between home, bank and retailers, and, on a larger scale, portable video phones, with satellite links for teleconferencing.

TRLabs helps industry, academia and government achieve maximum benefit—and leverage—for the resources they have available to support research efforts. Universities, presented with research and training opportunities, can "feed" their finest young minds with cutting edge and industry-relevant technological training.

"That mix of human and economic potential is what makes TRLabs such an exciting entity," Rainbird says.

## New book a 'useful and practical guide' for people travelling in China

A book written by Clifford Phillips and published by the University of Alberta Press will help people travelling and working in China gain a better understanding and appreciation of the Chinese people and culture.

*Clear Borders: An Insight to the Culture and National Language* "is a highly useful and practical guide to understanding the language and culture of China that is written in an informal, often witty, and instructive way," says Morris Maduro, Director, Asia-Pacific International Division, Federal and Intergovernmental Affairs.

"It will prove helpful to anyone travelling to China who wishes to gain a better appreciation and understanding of this fascinating country and its people," says Dr. Maduro, who wrote the book's foreword.

According to Phillips, also known by his Chinese name Lei Houtian, the book is designed to instruct business travellers, tourists, and professionals who wish to associate closely, either socially or in a business situation, with the Chinese they meet during their trips. Although a lot has been written about China, surprisingly little has been done to prepare the visitor for the initial impact upon arriving in that country, he explains.

The book has two parts: Practical Instructions on Learning Chinese and Situational Dialogues. An audio cassette is included to demonstrate the acceptable pronunciation of words.

## TALKS

### ALBERTA HERITAGE FOUNDATION FOR MEDICAL RESEARCH

7 September, 12:30 pm

Giuseppe Attardi, Grace C Steele Professor of Molecular Biology, California Institute of Technology, Pasadena, "Novel Approaches to Human Mitochondrial Genetics and the Study of Mitochondrial Diseases." 2-27 Medical Sciences Building.

### CHEMISTRY

13 September, 11 am

Ronald Perry, Department of Chemistry, Rice University, "Recent Investigations on the Biosynthesis of Natural Products." V1-07 V-Wing.

### EXTENSION

16 September, 7:30 pm

Jan Fox, warden, Federally Sentenced Women's Facility, "The Federally Sentenced Women's Initiative." 2-36 University Extension Centre.

### GEOGRAPHY

3 September, 3 pm

Ross D Powell, Department of Geology, Northern Illinois University, "Glacio-Marine Sedimentation." 3-36 Tory Building.

### PHYSICS

13 September, 2 pm

Donald H Perkins, Nuclear Physics Laboratory, University of Oxford, United Kingdom, "Are Diamonds Forever?" V1-29 V-Wing.

14 September, 2 pm

Professor Perkins, "60 Years of Neutrino Physics." V1-29 V-Wing.

15 September, 2 pm

Professor Perkins, "Solar and Atmospheric Neutrinos." V1-29 V-Wing.

## EVENTS

### EXHIBITIONS

#### BRUCE PHEL SPECIAL COLLECTIONS LIBRARY

Until 1 October

"Art Nouveau Illustrations from Austria and Germany, 1895-1912" Hours: until 1 October—Monday to Friday, 8:30 am to 4:30 pm, closed weekends. B7 Rutherford South.

#### EXTENSION CENTRE GALLERY

Until 30 September

"Art of the 1960's and 1970's"—an exhibition of works by six Edmonton artists working during these two decades. Gallery hours: Monday to Thursday, 8:30 am to 8 pm; Friday, 8:30 am to 4:30 pm; Saturday, 9 am to noon. Information: 493-3004. 2-54 University Extension Centre.

## POSITIONS

The University of Alberta is committed to the principle of equity in employment. The University encourages applications from aboriginal persons, disabled persons, members of visible minorities and women.

### ACADEMIC STAFF

#### DEAN OF STUDENTS

The University of Alberta is seeking applications for the position of Dean of Students. This competition is open on a secondment basis to all continuing members of faculty of the University of Alberta.

The Dean of Students reports to the Vice-President (Student and Academic Services). As the senior administrator in charge of students and student services, the incumbent will work closely with the University community—including service units, faculties, academic departments, students and student associations—to enhance the student experience at the University of Alberta. In addition, the incumbent will have direct responsibility for the effective management and coordination of nine administrative units charged directly with providing services to students.

The successful candidate will possess skills in some or all of the following areas: program development; program evaluation; conflict management, including advocacy, mediation and conflict resolution; policy development; administration; and communication. A successful record of relating effectively with both individual students and student groups is essential, as is a demonstrated empathy for the ambiguous and complex issues facing students today. Proven leadership experience in a consultative environment is also required.

The incumbent will have an understanding of the basic principles of natural justice and be able to demonstrate the important role of advocacy, mediation and support in ensuring that students are dealt with in accordance with these principles. In addition, the successful candidate will understand the University as a complex community and will possess the desire and ability to make a difference within that community by assisting the University in defining and enhancing a healthy and productive relationship with its students.

The Dean of Students will be aware of the increasing diversity within the student population and will assist the University in ensuring that this diversity is reflected in University services, policies and practices.

The successful candidate will understand that the quality of the student experience at the University of Alberta is measured not solely by the accomplishment of academic goals but also by the accomplishment of personal aspirations and career goals.

This is a five-year appointment effective 1 January 1994. It is anticipated that a final selection will be made no later than 1 November. Faculty members interested in this position should apply in confidence by 21 September to: Dr Lois Stanford, Vice-President (Student and Academic Services), 3-5 University Hall.

Letters of application should include a brief statement of qualifications specific to the position as well as the names and phone numbers of at least three referees familiar with the applicant's professional experience. A curriculum vitae should also be included with the application.

### DEAN, FACULTY OF DENTISTRY

Applications and nominations are invited for the position of Dean of the Faculty of Dentistry. The Faculty offers programs of study leading to the Degree of Doctor of Dental Surgery, Diploma in Dental Hygiene, and MSc Degree and Certificate in Orthodontics, all of which are accredited by the Canadian Dental Association. Current full-time undergraduate enrollment is approximately 260 students. In addition, the Faculty has research laboratories and instructional facilities for graduate students proceeding to the Master of Science and Doctor of Philosophy degrees. The Faculty also maintains an active Continuing Education program and cooperative projects with other university faculty and government researchers. There are approximately 40 full-time faculty members.

The Dean is responsible to the Vice-President (Academic) for the administration and supervision of the academic program, budget, and all activities of the Faculty. Candidates should have strong academic qualifications, including a record of accomplishment in research and education, and a demonstrated capacity for effective leadership with proven administrative capability. The appointment will take effect 1 July 1994 or at a mutually agreeable date.

Written nominations or applications, accompanied in the latter case by a résumé of qualifications and experience, and the names of three referees, should be submitted by 15 November 1993 to: Dr W John McDonald, Vice-President (Academic), Third Floor, University Hall, University of Alberta, Edmonton, Alberta T6G 2G9.

### SUPPORT STAFF

To obtain information on support staff positions, please contact Personnel Services and Staff Relations, 2-40 Administration Hall, telephone 492-5201. You can also call the Job Information Line at 492-7205 (24 hours) or consult the weekly Employment Opportunities Bulletin.

## ADS

### ACCOMMODATIONS AVAILABLE

**VICTORIA PROPERTIES** - Experienced, knowledgeable realtor with Edmonton references will answer all queries, and send information. No cost or obligation. Call (604) 595-3200, Lois Dutton, Re/Max, Port West, Victoria, BC.

**MICHENER PARK** - Two bedroom rowhouses and apartments for rent in University residence located in southwest Edmonton. Excellent bus service to University, utilities included. All enquiries welcome, 492-7044.

**RENT** - Old Steinhilber, three bedroom, furnished main floor suite. Hardwood floors. Utilities included. \$850/month. Available immediately. 434-4287.

**RENT** - Beautifully renovated 1,250', two bedroom home (basement not included), 11012 University Avenue. Available 31 August. Five appliances, garden, parking. \$1,000/month. Nonsmokers. 453-2513 or 452-1386.

**RENT/SALE** - Petrolia, executive four bedroom, well kept. One bus to University. No pets. \$1,300/month or sell. \$162,900. 435-8795.

**RENT** - East Windsor Park. Five bedroom executive bungalow. Two baths, two-car garage. Available immediately. \$1,300. 468-1938.

**RENT** - Bonnie Doon area, fully furnished split-level. Five bedrooms, two baths. \$800. 1 September - 30 April 1994. 468-5166.

**RENT** - Renovated, newly furnished basement suite. Two bedrooms, large living room, four appliances, share kitchen. Walking distance to University. Nonsmokers. \$660 plus utilities, \$300 damage deposit. 434-9583 evenings.

**RENT** - Quiet crescent, north Belgravia. 1,650' bungalow, three plus two bedrooms. Large kitchen and living room, deck, double garage, five appliances. \$1,100/month. Call 436-1440.

**SALE** - University walking distance. Old charon, new design. 2 1/2 storey, 1,700'. Three bedrooms, two studies. Phone 438-3274.

**RENT** - Superbly located house on Saskatchewan Drive, close to University. Partially furnished, suitable for couple. Possession date negotiable. \$1,000/month. 439-9796 or 437-6738.

**RENT** - Attractive executive home, Strathgarn Drive. Three minutes downtown, six minutes University. Two bedrooms, spacious studio, river view, furnished. \$1,200. Sabbatical 1993 - 1994. Western Relocation. 434-4629.

**RENT** - Three bedroom, furnished townhouse. Southgate. 1 November - 1 April. Five cable. \$595/month. 435-0185.

**SALE** - Belgravia. Delightful three bedroom bungalow. Great location. \$164,900. Ed Lastiwka, Royal LePage Realty, 446-3800, 437-7480.

**SALE** - 17 Westbrook Drive. Seven bedrooms, four bathrooms, on 1/2 acre lot. \$60,000 down payment. 433-3756.

**RENT** - New, one bedroom, 1 1/2 bath condo, in The Marquis, 9725 106 Street. Parking, swimming pool, tennis, exercise room, view. 1 October. 437-7004.

**RENT** - Spacious 1,800', four bedroom, Pleasantview home, 5607 109 Street. Close to University, schools. Excellent bus service. Developed basement, double garage, five appliances. \$985. Moving bonus negotiable. 438-4816.

**RENT** - Rivendale. Large 2,600', three-storey home overlooking river valley. All appliances, newly renovated. 1-3 year lease. \$1,200/month negotiable with lease. 452-1337.

**SALE** - Timeshare luxury condo in Whistler. Spring ski week. Five-minute walk to lifts. Two bedrooms, loft, private hot tubs, sleeps six. Asking \$11,000. Photos available. Bob/Phyllis Hodges. (403) 439-8132 evenings.

**SALE** - University area. Highrise condo on Saskatchewan Drive. Two bedrooms, two full baths. \$109,000. 439-4264.

**RENT** - Across street from University, quiet room for nonsmoking graduate student or staff. Private entrance. Bathroom, utilities. Hrens. 433-7897.

**RENT** - Wanted mature lady to share luxury home on Saskatchewan Drive. 428-0560, 439-3833.

**RENT** - Convenient two bedroom lower apartment, separate entrance, phone, etc. Ideal for new faculty or mature student. Available immediately to right person(s). Phone Patricia, 424-4600.

**RENT** - Blue Quill executive, two-storey, spacious 2,100', four bedrooms, attached garage, seven appliances. \$1,400. Could be furnished. 438-4816.

**RENT** - New executive, 1,200', two bedrooms. Superb city, river valley view, close to all amenities, University. 1 1/2 jacuzzi bath, five appliances, fireplace, garage. Tennis, golf course, four blocks. October. 469-1579.

**SALE** - Beautifully restored home in Millbrook. Walk to University. 1 1/2 storey cadillac, steps to ravine, bike trails. \$197,500. Doug Mundell, Canada Trust. 483-0601.

**RENT** - Elegantly furnished two-storey home, two blocks from University and hospital. Four bedrooms, office, sunroom, family room, garage. December 1993 - 30 June 1994. No pets/smokers. \$1,800/month. 432-1193.

**RENT/SALE** - Petrolia, Large, three bedroom bungalow. Developed basement, five appliances, double garage. Close to all amenities. \$910/month or sell, \$145,500. 434-5297.

#### OFFICE OF THE VICE-PRESIDENT (ACADEMIC)

##### EMPLOYMENT FUND FOR THE FUTURE DEADLINE DATES

###### CONFERENCE FUND

(Formerly GPC Conference Fund)

1 March  
1 June  
1 September  
1 December

Application forms and information are available from:

L. Vogelewang, Research Grants Office (1837)

###### OUTSTANDING VISIONS

30 April  
30 September  
(Chair: Dr. L. Perreault)

Application forms are available in Dean's Office. Departments are reminded that applications are to be submitted through their Dean, whose deadlines will be earlier than those noted.

Information available from:

D. Carledge (8182)

###### FUND FOR SUPPORT OF INTERNATIONAL DEVELOPMENT and SHORT-TERM SCHOLARS

15 April  
15 October  
15 January

(Chair: Dr. B. L. Evans)

Application forms and information are available from:

Dr. B. L. Evans, Alberta International (2358)

###### MCCALLA RESEARCH PROFESSORSHIP

Small Faculties: 1 December  
Large Faculties: Set by Faculty

**Small Faculties:** Application information available in Dean's Office.

(Chair: Dr. L. Perreault)

Information available from:

D. Carledge (8182)

**Large Faculties:** Application information available through Dean's Office.

United support for special cases, administered by Dr. W. A. Bridger, Associate Vice-President (Research) (9320)

###### LEARNED JOURNALS EDITED AT THE UNIVERSITY OF ALBERTA

(Part of V-P(Research) Research Enhancement Fund)

1 March

Information and application forms available from:

L. Vogelewang, Research Grants Office (1837)

###### SUPPORT FOR THE ADVANCEMENT OF SCHOLARSHIP

Small Faculties: 15 April  
Large Faculties: Set by Faculty

###### Small Faculties

Application forms are available in Dean's Office.

(Chair: Dr. C. Betsch)

Information available from:

L. Vogelewang, Research Grants Office (1837)

###### Large Faculties

Application forms and information available from Dean's Office.

###### UNIVERSITY TEACHING/RESEARCH FUND

15 October  
15 February

Application forms available from:

University Teaching Services (2487)

###### FACULTY OF MEDICINE

Consult Dean's Office re eligible categories.

###### MERGED FACULTIES OF AGRICULTURE & FORESTRY AND HOME ECONOMICS

Departments in this Faculty should consult the Dean's Office.

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